

What is claimed is:

1. A stencil printing machine, comprising:

a drum which is rotatable and has a outer peripheral wall formed by an ink impermeable member and in which a stencil sheet 5 is mounted on a surface of the outer peripheral wall;

an ink supply device which has an ink supply unit at a printing position upstream of a maximum printing area of the outer peripheral wall of the drum and supplies ink on the surface of the outer peripheral wall from the ink supply unit; and

10 a pressure roller which presses a fed print medium onto the outer peripheral wall.

2. The stencil printing machine according to claim 1, wherein at least one ink leakage preventing groove is provided on the outer peripheral wall at a position outside of the maximum printing 15 area and covered with the stencil sheet.

3. The stencil printing machine according to claim 2, wherein the ink leakage preventing grooves are provided on right and left outsides of the maximum printing area in a printing perpendicular direction.

20 4. The stencil printing machine according to claim 2, wherein the ink leakage prevention groove is provided at a printing position downstream of the maximum printing area.

5. The stencil printing machine according to claim 2, wherein the ink leakage prevention groove is provided on right and left 25 outsides of the maximum printing area in a printing perpendicular direction and on a printing position downstream of the maximum printing area.

6. The stencil printing machine according to claim 2, wherein the ink leakage preventing groove is provided at a printing position further upstream of the ink supply unit upstream of the maximum printing area.

5 7. The stencil printing machine according to claim 2, wherein a plurality of the ink leakage preventing grooves are provided.

8. The stencil printing machine according to claim 1, further comprising an ink recovery device which recovers ink leaking outside the maximum printing area of the outer peripheral wall.

10 9. The stencil printing machine according to claim 8, wherein the ink recovery device has an ink recovery groove at a printing position downstream of the maximum printing area of the outer peripheral wall and recovers the ink stored in the ink recovery groove.

15 10. The stencil printing machine according to claim 9, wherein a depression preventing member through which the ink can flow is placed in the ink recovery groove.

11. The stencil printing machine according to claim 10, wherein the depression preventing member is flush with a 20 peripheral surface of the outer peripheral wall of the drum.

12. The stencil printing machine according to claim 9, wherein the ink recovery device recovers the ink stored in an ink leakage preventing groove by utilizing the ink leakage preventing groove as the ink recovery groove.

25 13. The stencil printing machine according to claim 1, wherein the ink supply unit is provided along a printing perpendicular direction on the outer peripheral wall and supplies ink almost

uniformly in the printing perpendicular direction.

14. The stencil printing machine according to claim 13, wherein the ink supply unit supplies the ink from a plurality of ink supply ports provided at an interval in the printing perpendicular direction on the outer peripheral wall.

5 15. The stencil printing machine according to claim 13, further comprising ink volume adjusting means which controls an ink supply volume from the ink supply unit in the printing perpendicular direction, wherein the ink volume adjusting means is controlled in accordance with a perforation percentage of the stencil sheet.

10 16. The stencil printing machine according to claim 13, further comprising ink volume adjusting means which controls an ink supply volume from the ink supply unit in the printing perpendicular direction, wherein the ink volume adjusting means is controlled in accordance with a size of the print medium to be fed.

15 17. The stencil printing machine according to claim 8, wherein the ink supply device and the ink recovery device are always driven in a printing mode.

20 18. The stencil printing machine according to claim 3, wherein a width of the pressure roller is set between the ink leakage preventing grooves, respectively provided at positions on the right and left sides as well as outside of the maximum printing area in the printing perpendicular direction, so that the pressure roller presses inner sides of respective outer edges of both 25 of the ink leakage preventing grooves.

19. The stencil printing machine according to claim 1, wherein the ink supply unit is closed up by the stencil sheet so as to

supply ink between the surface of the outer peripheral wall of the drum and the stencil sheet without exposing ink to the atmosphere.

20. The stencil printing machine according to claim 1, wherein
5 the ink supply device includes a conduit which supplies ink between the surface of the outer peripheral wall of the drum and the stencil sheet without exposing ink to the atmosphere.